

## Absorption and luminescence spectra of $\text{Pr}^{3+}$ in $\text{CaWO}_4$ monocrystals

Aizenberg I., Gil'fanov F., Stolov A.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

A complete diagram of the Stark sublevels of  $\text{Pr}^{3+}$  for the  $P_{0,1}; 1D_{2,3}; 3F_{2,3}$  terms has been constructed on the basis of a study of the absorption and luminescence spectra of  $\text{CaWO}_4$  crystals containing  $\text{Pr}^{3+}$ . Strong splitting of the  $\text{Pr}^{3+}$  terms in the environment examined has been established. © 1969 The Faraday Press, Inc.

<http://dx.doi.org/10.1007/BF00818486>

---